10/629,022

SIN Structure Seaseh 2.28.04

=> d ibib abs hitstr

ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

2003:427773 CAPLUS

DOCUMENT NUMBER:

140:42073

TITLE:

Structure-activity studies of a series of

dipyrazolo[3,4-b:3',4'-d]pyridin-3-ones binding to the

immune regulatory protein B7.1

AUTHOR (S):

Green, Neal J.; Xiang, Jason; Chen, Jing; Chen, Lihren; Davies, Audrey M.; Erbe, Dave; Tam, Steve;

Tobin, James F.

CORPORATE SOURCE:

Department of Chemical Sciences, Wyeth Research,

Cambridge, MA, 02140, USA

SOURCE:

Bioorganic & Medicinal Chemistry ((2003), 11(13),

on and

2991-3013

CODEN: BMECEP; ISSN: 0968-0896

Elsevier Science Ltd.

PUBLISHER: DOCUMENT TYPE:

Journal

LANGUAGE:

AGE: English

GΙ

The interaction of co-stimulatory mols. on T cells with B7 mols. on antigen presenting cells plays an important role in the activation of naive T cells. Consequently, agents that disrupt these interactions should have applications in treatment of transplant rejection as well as autoimmune diseases. To this end, specific small mol. inhibitors of human B7.1 were identified and characterized. Herein, we report the identification of potent small mol. inhibitors of the B7.1-CD28 interaction. In a high-throughput screen we identified several leads that prevented the interaction of B7.1 with CD28 with activities in the nanomolar to low micromolar range. One of these, the dihydrodipyrazolopyridinone I, was subsequently shown to bind the V-like domain of human B7.1 at equimolar stoichiometry. With this as a starting point, we report here the synthesis and initial in vitro structure-activity relationships of a series of these compds.

IT 635325-26-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation and structure-activity relationship of a series of dipyrazolo[3,4-b:3',4'-d]pyridin-3-ones as inhibitors of the B7.1-CD28 interaction in T cells)

RN 635325-26-7 CAPLUS

CN 3H-Pyrazolo[3,4-d]thieno[2,3-b]pyridin-3-one, 2-(4-fluorophenyl)-1,2-dihydro-4-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 17:05:12 ON 26 FEB 2004)

32

FILE 'REGISTRY' ENTERED AT 17:05:19 ON 26 FEB 2004

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 1 S L1 FULL

FILE 'CAPLUS' ENTERED AT 17:06:15 ON 26 FEB 2004

L4 1 S L3

=> d 11

L1 HAS NO ANSWERS

L1 STR

Structure attributes must be viewed using STN Express query preparation.

=> => d ibib abs hitstr 1-3

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

2003:427773 CAPLUS

DOCUMENT NUMBER:

140:42073

TITLE:

Structure-activity studies of a series of

dipyrazolo[3,4-b:3',4'-d]pyridin-3-ones binding to the

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LANGUAGE:

Journal English

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REFERENCE COUNT:

32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

1983:438409 CAPLUS

DOCUMENT NUMBER:

99:38409

TITLE:

1H-Pyrazolo[3,4-d]thieno[2,3-b]pyridine and its

derivatives

AUTHOR(S):

Khan, Misbahul Ain; Rolim, Alice Maria Coimbra;

Guarconi, Antonio Elydio

CORPORATE SOURCE:

Sec. Quim., Inst. Mil. Eng., Rio de Janeiro, 22290,

Brazil

SOURCE:

Journal of Heterocyclic Chemistry (1983), 20(2), 475-6

CODEN: JHTCAD; ISSN: 0022-152X

DOCUMENT TYPE:

Journal

LANGUAGE:

English

OTHER SOURCE(S):

CASREACT 99:38409

GT

AΒ Title compds. I [R, R1 = H, NH2 (II); H, OH (III); Me, NH2; H, H; H, Br; Ac, NHAc] and IV were prepared E.g., refluxing thienopyridine V (R2 = CN, CO2Et) with N2H4 gave 75% II and 80% III resp.

ΤT 63873-63-2P

> RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 63873-63-2 CAPLUS

3H-Pyrazolo[3,4-d]thieno[2,3-b]pyridin-3-one, 1,2-dihydro- (9CI) CN INDEX NAME)

NH

L8CAPLUS COPYRIGHT 2004 ACS on STN ANSWER 3 OF 3

ACCESSION NUMBER:

1977:502223 CAPLUS

DOCUMENT NUMBER:

87:102223

TITLE:

The synthesis of thieno[3,2-e]pyrazolo[4,3-c]pyridine.

A new heterocyclic system

AUTHOR(S):

Khan, Misbahul; Guarconi, Antonio Elydio

CORPORATE SOURCE:

Secao Quim., Inst. Mil. Eng., Rio de Janeiro, Brazil

SOURCE: Heterocycles (1977), 6(6), 727-9 CODEN: HTCYAM; ISSN: 0385-5414

DOCUMENT TYPE:

Journal English

LANGUAGE:

OTHER SOURCE(S):

CASREACT 87:102223

AB Reaction of thienopyridine I (R = CN, CO2Et; R1 = OH) with POCl3 gave 76% I (R1 = Cl). Treatment of I (R = CN, R1 = Cl) with N2H4 under reflux gave 85% II (R2 = NH2); II (R2 = OH) was prepared similarly in 80% yield from I (R = CO2Et, R1 = Cl).

IT 63873-63-2P

RN 63873-63-2 CAPLUS

CN 3H-Pyrazolo[3,4-d]thieno[2,3-b]pyridin-3-one, 1,2-dihydro- (9CI) (CA INDEX NAME)

=> d his

(FILE 'HOME' ENTERED AT 17:05:12 ON 26 FEB 2004)

FILE 'REGISTRY' ENTERED AT 17:05:19 ON 26 FEB 2004

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 1 S L1 FULL

FILE 'CAPLUS' ENTERED AT 17:06:15 ON 26 FEB 2004

L4 1 S L3

FILE 'REGISTRY' ENTERED AT 17:07:25 ON 26 FEB 2004

L5 STRUCTURE UPLOADED

·L6 1 S L5

L7 2 S L5 FULL

FILE 'CAPLUS' ENTERED AT 17:08:24 ON 26 FEB 2004

L8 3 S L7

=> d 15

L5 HAS NO ANSWERS

L5 STR

Structure attributes must be viewed using STN Express query preparation.



PALM INTRANET

Day: Thursday Date: 2/26/2004 Time: 17:12:42

Inventor Name Search Result

Your Search was:

Last Name = GREEN

First Name = NEAL

Application#	Patent#	Status	Date Filed	Title
60490713	Not Issued	020	07/28/2003	ELECTRONIC CIRCUIT BUILDING BLOCK
60399225	Not Issued	159	07/29/2002	DIHYDROPYRAZOLO[3,4-D]THIENO-[2,3-B]PYRIDIN INHIBITORS OF B7-1.
60399161	Not Issued	159	07/29/2002	DIHYDRODIPYRAZOLOPYRIDINONE INHIBITORS O B7-1
60399146	Not Issued	159	07/29/2002	DIHYDRODIPYRAZOLOPYRIDINYLBENZAMIDE AN -SULFONAMIDE INHIBITORS OF B7-1
10629276	Not Issued	094	07/28/2003	DIHYDRODIPYRAZOLOPYRIDINYLBENZAMIDE AN -SULFONAMIDE INHIBITORS OF B7-1
<u>10629227</u>	Not Issued	030	07/28/2003	DIHYDRODIPYRAZOLOPYRIDINONE INHIBITORS O B7-1
10629022	Not Issued	030		DIHYDROPYRAZOLO[3,4-D]THIENO-[2,3-B]PYRIDIN INHIBITORS OF B7-1

Inventor Search Completed: No Records to Display.

	Last Name	First Name	
Search Another:	Green	Neal	
Inventor		Search	

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